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DERWENT-ACC-NO: 1987-007308

DERWENT-WEEK: 198702

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TITLE: Coal is mined with simultaneous  
drainage of methane - by long-wall mining vertically adjacent  
seams connected by a drift whilst draining and collecting  
methane

INVENTOR: ABBOTT, T; RICHARDS, W Z

PATENT-ASSIGNEE: METHTEC INC[METHN] , OXY METHANE  
DRAINAGE CORP[OXYMN]

PRIORITY-DATA: 1985US-0735323 (May 17, 1985)

PATENT-FAMILY:

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INT-CL (IPC): E21C041/04, E21F007/00

ABSTRACTED-PUB-NO: AU 8549964A

BASIC-ABSTRACT:

Coal is mined and methane gas removed from an underground formation having a number of discrete coal seams by (a) establishing a first working in a first coal seam to remove coal from a preselected area; (b) removing coal from the

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preselected area; (c) establishing a second working in an adjacent coal seam; (d) drilling horizontal boreholes from the second working into a preselected area in the adjacent second coal seam; and (e) removing methane gas from the adjacent second coal seam by way of the boreholes.

ADVANTAGE - Because the boreholes are drilled from a working that is independent from the working used for the prodn. of coal, methane gas can be removed far in advance of the mining of the coal or in the associated seam which is simultaneously producing coal, so that commercial prodn. of methane gas can be achieved. In partic., the present method is suitable for an adjacent coal seam lying below the first coal seam, with the first and second workings interconnected by a drift.

CHOSEN-DRAWING: Dwg.0/6

TITLE-TERMS: COAL MINE SIMULTANEOUS DRAIN METHANE LONG WALL  
MINE VERTICAL

ADJACENT SEAM CONNECT DRIFT DRAIN COLLECT  
METHANE

DERWENT-CLASS: H06 Q49

CPI-CODES: H01-F;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1987-002963

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AU-A-49964/85

OXYM- \* Q49 87-007308/02 \* AU 8549-964-A  
Coal is mined with simultaneous drainage of methane - by long-wall  
mining vertically adjacent seams connected by a drift whilst  
draining and collecting methane

OXY METHANE DRAINAGE (METH-) 17.05.85-US-735323  
H06 (20.11.86) E21c-41/04 E21f-07

15.11.85 as 049964 (1684AH)

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N87-005504